SOKKIA

SHC25 / SHC25A

Data Collectors

Ultra-Compact, Ruggedized Data Collectors

Affordable Choice for Surveying and GIS Applications

- MIL-STD-810G Ruggedness
- IP65 Dust/Water Protection
- Windows Mobile® 6.5
- 533MHz CPU
- 256MB SDRAM
- 2GB Flash Memory
- 3.5 inch VGA Touch Screen Display
- WLAN / Bluetooth® Wireless
- Field-replaceable Li-ion Battery
- Integrated 20ch GPS Receiver
- Built-in 3MP Camera, Compass, and Altimeter (SHC25A)

Lightweight, ultra-compact body not only fits in your pocket, but also meets the military standard to withstand extremely rough conditions. The Sokkia SHC25/25A offers the affordable choice for surveying and GIS data collection applications.

■ Compact, Lightweight and Rugged Construction

Sokkia SHC25/25A weighs merely 320g (11.3oz) including battery. Its rugged construction complies with the MIL standard as well as the IP65 dust/water protection that withstands the harshest worksite conditions.

■ Easy Operation

Windows Mobile 6.5 operating system and a 3.5-inch VGA touch-screen display make operations extremely easy.

■ Multiple Connectivity

Wireless LAN and Bluetooth capability allows for cable-free connection with instruments and PC. The SHC25/25A works as a host computer as well as a client device via USB connection.

■ Field-replaceable Battery

Rechargeable Li-ion battery can be removed and replaced at the worksites, eliminating down time due to the battery drain. Battery charger is available as an optional accessory.

■ Built-in Sensors for GIS Applications

Integrated 20ch GPS receiver provides positional information by point positioning or DGPS using SBAS corrections. The SHC25A has 3MP auto focus camera, electronic compass and altimeter for GIS data collection applications.

Spectrum Survey Field

Fast, powerful, yet user-friendly data collection software

The Spectrum Survey Field provides easy-to-navigate, intuitive operation that minimizes the learning curve.

- Maximizes productivity in all kinds of surveying, construction setting-out and data collection tasks.
- Controls Sokkia GPS/GNSS receivers, robotic/conventional total stations, and digital levels.
- Easily handles multiple surveying instruments using individual configuration files stored for each instrument.
- Superior data management and exchange capability in numerous file formats.

■ SHC25 / SHC25A Specifications

System		
Operating System		Windows Mobile® 6.5
Processor		Samsung S3C2450, 533MHz
Main memory		256MB SDRAM
User interface		
Display		3.5 inch VGA color TFT LCD (640 x 480) Sunlight-readable touch screen
Keyboard		4 keys and 1 arrow key
Communication and Data Storage		
Flash memory		2GB
Port		USB Type Mini-B (Host 1.1 / Client 2.0, to be switched by software)
Card slot		SD/SDHC (up to 16GB SDHC)
Wireless connection*1		Bluetooth Class 2 Wireless LAN IEEE 802.11b/g
Environmental		
Dust/Water Protection		IP65 (IEC 60529:2001)
Operating Temperature		-20 to +60°C (-4 to +140°F)
Humidity		Up to 95%, non-condensing
MIL-STD-810G*2		Drop (1.52m/5ft.), Vibration, Humidity
Power supply		
Battery		Removable Li-ion Rechargeable Battery, 3.7V, 2400mAh
Operating Time		7.5 hours with Bluetooth connection
Recharging Time		3.5 hours at 0 to +40°C (+32 to +104°F)
Physical		
Size		W82 x H146 x D33mm (W3.23 x H5.75 x D1.30in.)
Weight with battery		320g (11.3oz)
Integrated Sensor		
GPS	Type	SiRFstarIII Chipset, GPS L1 (C/A), 20 Channels
	Horizontal Accuracy (RMS)*3	DGPS*4: 1 to 3m (3.3 to 9.9ft.) Point Positioning: 5m (16.4ft.)
Built-in Camera (SHC25A)		3 Megapixels, Auto Focus Camera
Other Sensor (SHC25A)		Electronic Compass, Altimeter

*1 Availability and usage approval of wireless technologies vary according to country. Please consult your local Sokkia office or representative in advance.
*2 The SHC25/25A is tested according to the MIL-STD-810G published on October 31, 2008 which supersedes the previous MIL-STD-810F.
*3 Accuracy depends on the number of satellites used, SBAS data quality, multipath effects, device position/posture and other environmental conditions.
*4 Using SBAS (WAAS, EGNOS, MSAS). Not compatible with beacon receivers.

■ Standard Configuration

- SHC25/SHC25A Data Collector
- Stylus pen
- Touch panel protective film
- Hand strap
- USB cable (Type mini-B - Type A)
- Rechargeable battery
- AC-DC converter
- AC power plug x 3
- Quick start guide
- User manual (CD-ROM)

■ Optional Accessories

- Pole bracket
- Rechargeable battery
- Battery charger
- External GPS antenna with cable
- Vehicle charger
- Vehicle mount
- Soft case

Product names mentioned in this brochure are trademarks of their respective holders.
Product colors in this brochure may vary slightly from those of actual products owing to limitations of the printing process.
Designs and specifications are subject to change without notice.

www.sokkia.co.jp
75-1, HASUNUMA-CHO, ITABASHI-KU, TOKYO, 174-8580 JAPAN

2010 09-1 P-77-1 GE

© 2010 TOPCON CORPORATION. All rights reserved. SOKKIA is a trademark of SOKKIA TOPCON CO., LTD.